NOTE

This file contains the PowerPoint presentation for the significant changes to the JFMM applicable to all Volumes with the exception of the Nuclear Addendum section (Part II of Volume V). It has been designed to work with a Word document file that provides the specific changes. The pages of this file correspond to the Word document file (JFMM Rev A, Change 7 Training Notes.doc) included on this CD-ROM.

COMFLTFORCOMINST 4790.3A

Change 7

JFMM Volume I

NEW CONSTRUCTION

Sea Trial Reports
New Construction

New Appendix:

- Established for New Construction
- Provides graphic illustration for Delivery Messages
- Captures the Requirements of OPNAVINST 4700.8.

Volume I, Chapter 1 Appendix B8;

Sample Message
SUBS ONLY

DESIGN TEST DEPTH DIVE AUTHORIZATION

- Added a new NOTE concerning unsatisfactory conditions or excessive sea water leakage.

- Added a new requirement to obtain Type Commander approval prior to a subsequent dive.

Volume I. Chapter 2, Appendix C; Volume I. Chapter 2, Appendix P; Volume II, Part I, Chapter 3, Appendix BD; Volume II, Part I, Chapter 3, Appendix BG; Volume II, Part I, Chapter 3, Appendix CO; Volume II, Part I, Chapter 4, Appendix L

JFMM Volume II

INTEGRATED FLEET MAINTENANCE

Machinery Condition Analysis

Surface Ship Only

- Automated Machinery Condition Analysis now part of Condition Based Maintenance.
- AMCA tools and systems support the MCA programs and MCA surveys.
- Implements prognostic, diagnostic and maintenance capabilities.

Volume II, Part I, Chapter 2, Paragraph 2.4.4.2;

Temporary Mods/Alts

Temporary Modifications

- Fleet Modernization Chapter did not cover Temporary Modifications
- Temporary Modification management was not mentioned
- Existing wording was confusing between Temporary Modifications and Temporary Alterations
- Existing chapter did not provide guidance for Temporary Alterations made permanent

Volume II, Part I, Chapter 2, Paragraph 2.6.1; Volume II, Part I, Chapter 2, Paragraph 2.6.3; Volume II, Part I, Chapter 2, Paragraph 2.6.4

Sea Trial Policy

Submarines Only

- Modifies the Commanding Officers requirement to participate in an underway period of at least three days prior to his own submarines Sea Trial.
- Allows the ISIC to determine what is sufficient.
- Modified the length of time to perform the “Ahead Flank” to “Back Emergency” for SSBN/SSGN Class submarines.
- Modified the sea trial testing of sonar equipment due to the BQC being a 726 Class item only.
- Modified the time requirement to approve the Sea Trial Agenda for submarine availabilities from 30 days prior to **60** days prior to the start of sea Trials.

Volume II, Part I, Chapter 3, Paragraph 3.6.8.4.1e(6) b.; Appendix N, Section 3.A (12); Appendix O, Section3.e (13);

Fleet Availabilities

Entire Chapter Rewritten

- Title changed from Type Commander Availabilities to Fleet Availabilities.
- Defines availability types.
- Established Planning Boards for Maintenance and Business Case Analysis tool.
- Restructures non-Depot level availability processes.

Volume II, Part I, Chapter 4;

SHIPMAIN

Planning Process Milestones

- Updated surface ship milestones.
- Added columns to represent MSMO contracts
- Added milestones for aircraft carriers.

Volume II, Part II, Chapter 2; Appendix D;

JFMM Volume III

DEPLOYED MAINTENANCE

Deployed Maintenance

Modified the Entire Volume to Reflect Current Requirements

- Review the entire Volume for specific changes.
- Rewritten Volume is a collaboration by Fleet Forces Command, Pacific Fleet, Second Fleet and Fifth Fleet.

Volume III;

JFMM Volume IV

TESTS AND INSPECTIONS

Boiler Inspection

Modified the Chapter to Reflect Current Processes

- Realigns responsibilities.
- Requires 2-kilo to request boiler inspection.
- DFS now required when boiler inspection will exceed 18 months.
- Modifies reporting requirements.
- Deletes waterside cleaning waivers.

Volume IV, Chapter 3;

Work Authorization

Modified the Chapter

- Added new WAF Revision Sheet
- Added instructions for revising an existing WAF
- Revised the definition of Max. Expected Draft
- Modified Ships Force Actions for final certification, close-out and re-entry of submarine spaces, tanks and voids

Volume IV, Chapter 10;

Submarine Salvage Inspection

Modified the Chapter as follows:

- Shipyard/Project Team notification during CNO availability
- New instructions concerning the Salvage Wrench
- New Inspection Item for DSRV Air Sampling Valve

Volume IV, Chapter 18, paragraph 18.3.3c (1); Volume IV, Chapter 18 NOTES; Volume IV, Chapter 18, Appendix D;

Gas Free Inspection

Modified the Chapter in Relation to Ship's Force

- Modified Table 25-1 cross-referencing requirements.
- Modified Note 5 for Ships Force.

Volume IV, Chapter 25;

JFMM Volume

QUALITY MAINTENANCE

Non-SUBSAFE MCR Exceptions

SUBS Only

- Moved the paragraph from Volume V, Chapter 5 to Volume V, Chapter 2.

- Table of Non-SUBSAFE MCR Exceptions now exists as table 2-1.

Volume V, Part I, Chapter 2, Paragraph 2.2.5; Volume V, Part I Chapter 2,Table 2-1;

Non-Coded Hull Technicians

Welding on Minor Structures:

- Identifies the qualifications to weld on minor structures.
- Defines minor structure components.
- Provides specific examples.

Volume V, Part I, Chapter 4, Paragraph 4.5;

Headed Fasteners

Modified Due to MIL-STD 1222 Change

- Manufactured headed fasteners require additional testing.
- Not to be assigned the same MIC number as the raw material.
- Departure From Specification required if certification testing is not complete.

Volume V, Part I, Chapter 6, Paragraph 6.3.7.3;

Issuing Controlled Material

New Process

- Defines the process when issuing material from a controlled material locker.
- Provides consistency across the fleet.
- Adds a table documenting the procedure and the assigned responsibility.

Volume V, Part I, Chapter 6, Paragraph 6.3.9.5;

Testing

SUBS ONLY

Modified the exemption/alternative tests

- Certain TWD’s to be closed prior to underway.
- Modified Note 21 to include missile tube muzzle hatches on 726 Class submarines.
- Modified Note 25 to include EHF pressure proof caps.
- Modified Note 26 to include o-rings.
- Added new Note 29 for electrical hull fitting pressure proof caps.
- Added new Note 30 on certain zinc anodes.

Volume V, Part I, Chapter 7, Paragraph 7.4.1; Volume V, Part I, Chapter 7, Appendix B;

Departures From Specifications

- ISIC evaluation of “as found” conditions applicable to all Type Commanders vice submarines only.
- Uncertified locally manufactured “headed” fasteners require major DFS.
- Modified to allow for the use of Electronic Deviation and Waiver system as well as E-DFS.
- ISIC to provide to a depot level facility the DFS serial number and JCN for departures the depot level facility generates .
- New requirement for Commanding Officer approved DFS to be submitted to the proper authority for adjudication on any item not planned to be corrected or unable to be corrected.
- Established a procedure for the ship’s Quality Assurance Officer to extend a DFS.

Volume V, Part I, Chapter 8, Paragraph 8.2.a; Volume V, Part I, Chapter 8, Paragraph 8.2.4.p; Volume V, Part I, Chapter 8, Paragraph 8.3.1; Volume V, Part I, Chapter 8, Paragraph 8.3.7; Volume V, Part I, Chapter 8, Paragraph 8.3.8.2;

Q.A. Forms

Modifications

- Q.A. Form 1 – New instructions for “trace” material, rotatable pool material and fasteners and vendor markings.
- Q.A. Form 2 – Deleted “COG” requirements and provided new instructions for MIC/Serial Numbers.
- Q.A. Form 20 – Added red diamonds identifying planner entries.
- Q.A. Form 28 – Modified instructions for classified pressures.
- Q.A. Form 34 – Modified the instruction for Level I fasteners in table 1, corrected the instructions for stud rotation and modified table 2.
- Q.A Form 34A - Expanded the duties of the QAI concerning non-controlled assemblies.

Volume V, Part 1, Chapter 11;

In Process Control Deep Submergence

- Modified the instructions for the Q.A. Officers maintenance of the REC log.
- Expanded the requirement of the User activity to submit a written report to the ISIC to include “each submarine for submerged operations”.
- Expanded the limitations following at-sea repairs.
- Established a requirement for submarines to submit a continuity report to the ISIC prior to manned operations.

Volume V, Part III, Chapter 5;

Q.A Forms
Scope of Certification

- Updated the Chapter as follows:

  - Modified Q.A. Form 2 block 2 instructions to conform with NAVSEA 0948-LP-045-7010

- Added red diamond blocks to Q.A. Form 26A

  - Added two new NOTES to Q.A. Form 26A block 8 instructions

- Added a new NOTE to Q.A. Form 26A block 21 instructions

Volume V, Part III, Chapter 11;

VOLUME VI

MAINTENANCE PROGRAMS

Material Cannibalization

SUBS ONLY

New Requirement

- Requirement established to notify SUBMEPP concerning the cannibalization of any component which has an LMA date.
- LMA date is tracked to the component, not the ship.
- Added SUBMEPP PLA to the sample message.
- Ensures the correct action is identified and provided to the ship to avoid an overdue condition.

Volume VI, Chapter 14;

Habitability

Chapter Modified to Reflect Current Requirements

- Surface Ship and Aircraft Carrier changes to Ship Configuration must meet the requirements of the FMP.
- Use of OPTAR funds for improvements capped at $25k.
- New wording for programs under the technical sponsorship of NAVSEA.
- Realigned Program responsibility.
- Modification of the Enhanced Quality Of Life Program.
- New Appendix A providing a Table Of Habitability Project Technical Requirements And Actions

Volume VI, Chapter 16;

MAINTENANCE AND MATERIAL MANAGEMENT

Entire Chapter Modified

- New Appendix Showing Format for Reporting 3M Assessments.
- Standard Work Codes Consolidated.
- New Appendix For Job Originators Values.

Volume VI, Chapter 19;

Maintenance and Modernization Building Plan

New Chapter Established

- Establishes maintenance funding budget for a ship during the fiscal year.
- Identifies advanced planning requirements for future years.
- Provides guidance for budget development.

Volume VI, Chapter 33;

Regional Maintenance Centers

New Paragraph

- New paragraph concerning RMC responsibilities.
- New Codes added to RMC Department Numbering Table.
- New Appendix showing RMC Area of Responsibilities.

Volume VI, Chapter 35, paragraph 35.5.3; Volume VI, Chapter 35, Appendix A; Volume VI, Chapter 35, Appendix C;

Maintenance Teams

New Chapter Established

- Establishes and defines the Maintenance Team.
- Defines membership and responsibilities.
- Establishes detailed requirements for regular meetings.

Volume VI, Chapter 41;

VOLUME VII

CONTRACTED SHIP MAINTENANCE

Volume Modifications

Changes include:

- Ship Specialist duties.
- RMC Level II Inspectors for both civilian and military.
- Establishes a new chapter for contacted submarine preservation.

Volume VII, Chapter 7, paragraph 7.3.4.d; Volume VII, Chapter 11, paragraph 3.3.3; Volume VII, Chapter 12;